

# EnReach

Introducing the first true Double Isolation and Bleed Line Stop System.

## **AEGIS GUARD™**

EnReach's patented AEGIS GUARD™ system delivers the safest and most reliable line stopping solution in the world. AEGIS GUARD™ redefines pipeline safety and has set a new global benchmark for performance and reliability.

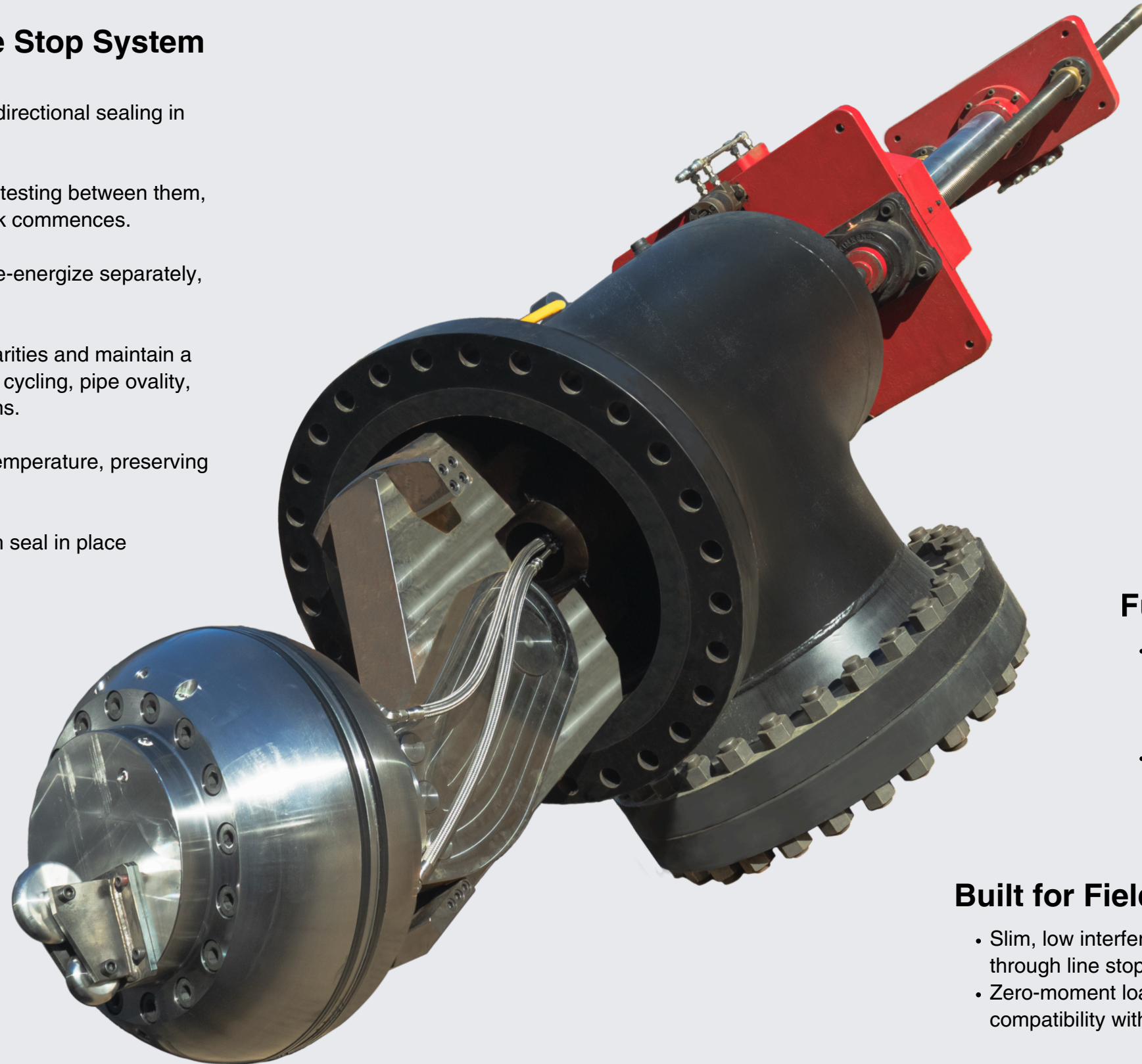
Fully compliant with  
Canadian and International  
Safety Standards for isolation  
requirements for a pipeline.

## Double Isolation and Bleed Line Stop System

- **Two Independently Energized Seals**  
Each an isolation point, deliver superior bi-directional sealing in tough conditions.
- **Pressure Tested Seals**  
Bi-directional seal design permits pressure testing between them, validating isolation before downstream work commences.
- **Independent & Redundant Systems**  
Two mirrored halves; seals energize and de-energize separately, a true double isolation and bleed.
- **Dynamic Seal Performance**  
Energized seals conform to surface irregularities and maintain a positive seal through pressure/temperature cycling, pipe ovality, corrosion and even across large weld seams.
- **Proprietary Anti-Extrusion Seals**  
Prevent extrusion under high pressure or temperature, preserving seal integrity.
- **Mechanical Locks**  
Dual integrated mechanical locks hold each seal in place separately. Once set they stay set.

## Proof of Performance

- **Hydraulically Tested Seals**  
A hydrotest at 1.5x operating pressure confirms 100% seal performance every time, no compromise, before any downstream work begins.
- **Bleed Port**  
Verifies primary seal integrity in real time, it is not used to vent excessive leakage.
- **Integrated Bleed Port**  
Built into the tool. No extra welded fitting on the line.



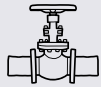
## Full Command - Zero Guesswork

- **Integrated Control Panel**  
Real-time monitoring of both seals, locks and bleed port, to provide continuous operational feedback throughout the job.
- **Lockout/Tagout (LOTO) Ready**  
Seals cannot retract without unlocking, eliminating the potential for operator error.

## Built for Field Efficiency

- Slim, low interference design preserves up to 80% by-pass flow, through line stop equipment, reducing the need for additional tie-ins.
- Zero-moment load path minimizes stress on split-tees, ensuring compatibility with standard fittings.

# **AEGIS GUARD™**



**Dual independent by-directional seals**



**Independent mechanical lockout**



**Built-in pressure test & bleed ports**



**Control panel with live monitoring**



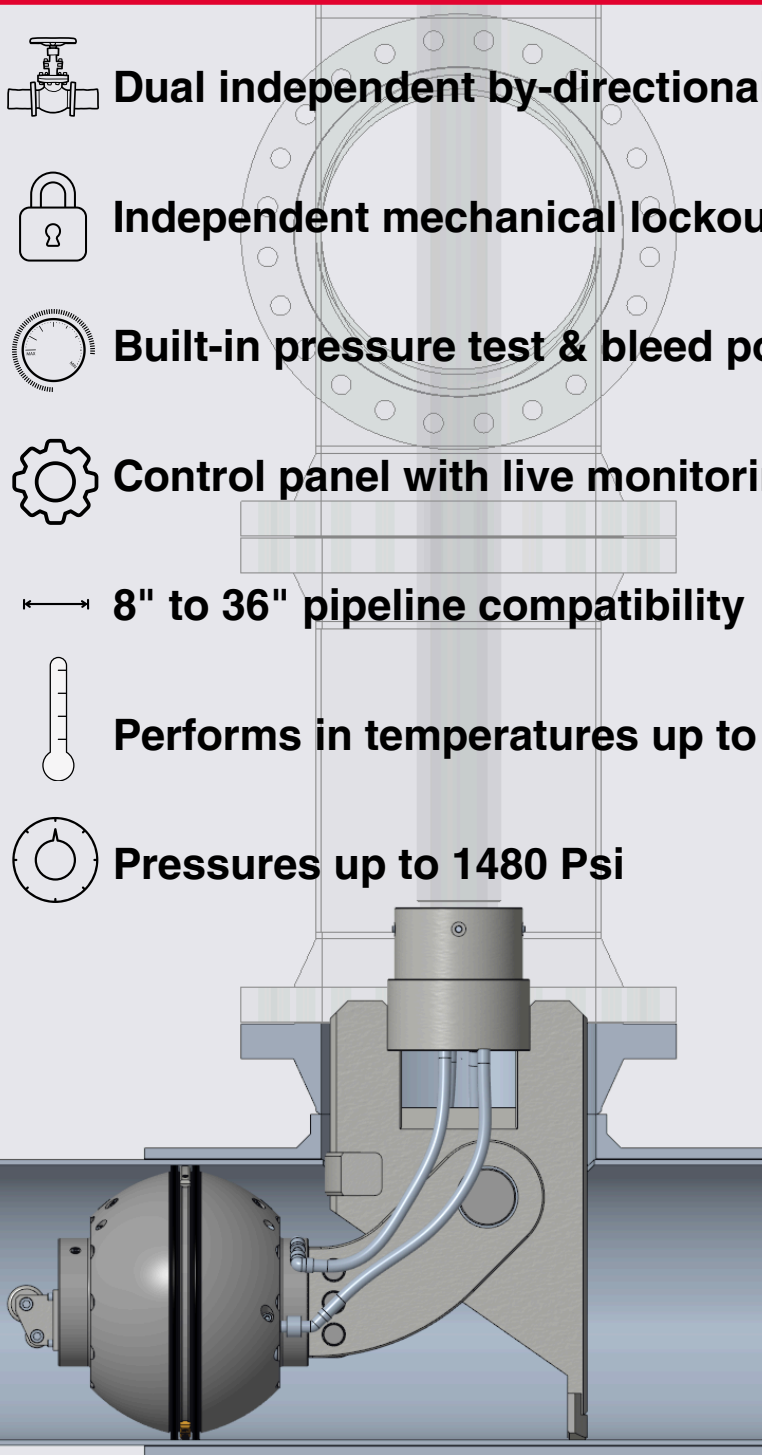
**8" to 36" pipeline compatibility**



**Performs in temperatures up to 200°C**



**Pressures up to 1480 Psi**



**Unmatched safety, control, and reliability in every pipeline operation.**